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WPNSSB

STRJL-B

STROBOSCOPE

1. **GENERAL.** This procurement requires a portable, self-contained stroboscope.
2. **CLASSIFICATION.** Type II, Class 3, Style E, and Color R in accordance with MIL-T-28800 for shipboard applications with the following exceptions:
 - a. A removable power cord is not required.
 - b. Electromagnetic interference requirements are not invoked.
3. **OPERATIONAL REQUIREMENTS.** The equipment shall operate within the minimum ranges and accuracies specified below.
 - 3.1 **Flash rate.** 2 flashes per second (FPS) or less to at least 400 FPS.
 - 3.1.1 **Flash rate accuracy.** _1% of indication.
 - 3.2 **Flash output.** When measured at 1m (39 in) from the light source, the equipment shall provide a single-flash output of at least 18 Million candella degrading to no less than 0.5 Million candella at 400 FPS. The beam width shall be 10 degrees nominal with an even light intensity.
 - 3.3 **Flash duration.** At one-third peak intensity, the flash duration shall be no greater than 3 us at 12 FPS degrading to no less than 0.8 us at 400 FPS.
 - 3.4 **External triggering.** The equipment shall provide external triggering.
4. **GENERAL REQUIREMENTS.**
 - 4.1 **Power source.** MIL-T-28800 nominal power source requirements are invoked. Maximum power consumption: 100W.
 - 4.2 **Weight.** 3.5 kg (8 lb) maximum.
 - 4.3 **Lithium batteries.** Per MIL-T-28800, lithium batteries are prohibited without prior authorization. A request for approval for the use of lithium batteries, including those encapsulated in integrated circuits, shall be submitted to the procuring activity at the time of submission of proposals. Approval shall apply only to the specific model proposed.